

# Work Order ID 61515

Monday, August 30, 2010 9:17:42 AM



Page 1

Item ID: D3823-3KIV

Accept



Setup Start



Revision ID:

Stop



Item Name: Overhead Rear, Center-Ivory

Start Date: 8/30/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 9/6/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

*PL*

Date: 10-8-30

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3823

Rev C

*PL →*

100

0.00



HandThermo

Memo

0.00

Hand Finishing Thermoforming

1-Cut Sheet to required Blank size

*(X)*

*BB 10/10/07*

105

0.00



HandThermo

Dry Material

Memo

0.00

Hand Finishing Thermoforming

Dry Sheet as per QSI022 KYDEX

Temp: 140°F

Time IN: 4:30 10/10/06

Time OUT: 7:00 10/10/07

*BB 10/10/07*

W/O: 61515		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/10/13	# 100	ADD in <del>in</del> correct informati in header box	Dr.	10/10/14			S 10/10/13

Part No: D3823-3 KIV PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Work Order ID 61515

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Page 2

Item ID: D3823-3KIV

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Setup Start



Revision ID:

Item Name: Overhead Rear, Center-Ivory

Stop



Start Date: 8/30/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 9/6/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110  Thermoform Thermoforming Machine	<b>Memo</b> 1-Machine Set-Up 2-Pre-heat Tool to required temp. 3-Thermoform as per Dwg and Folio #FTA032 using tool DT9110 Dwg Rev: <u>6</u> Folio Rev: <u>3</u>	0.00  0.00				<u>(X)</u>			<u>BB</u> 10/10/02
120  QC Quality Control	QC2- Inspect parts off machine FAI/FAIB  <b>Memo</b> Visually inspect part for proper formation and texture	0.00  0.00				<u>(X)</u>			<u>BB</u> 10/10/02
130  QC Quality Control	QC8- Inspect parts - second check  <b>Memo</b>	0.00  0.00				<u>(X)</u>			<u>Dh.</u> 10/10/02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

[illegible]

Page 3

**Accept**

**Setup Start**

**Stop**

11/11/2011 11:58 AM  
Page 11 of 11

**Cust Item ID:**

**Customer:**

**Reference:**

**Approvals:**      **Process Plan:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Tooling:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

**Stop**

### Operation Description

### Set Up/ Run Hours

**Tool ID**

**Tool #**

**Plan  
Code**

**Accept Qty**

Reject  
QtyReject  
Number

**Insp.  
Stamp**

140

0.00

\_\_\_\_\_

0.00

HandThermo

## Memo

### Hand Finishing Thermoforming

1-Trim to finished dimensions as per Dwg

150

0.00



0.00

QC

## Memo

## Quality Control

Complete FAI document

160

0.00

[illegible]

0.00

QC

## Memo

## Quality Control

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

# Work Order ID 61515

Monday, August 30, 2010 9:17:42 AM



Page 4

Item ID: D3823-3KIV

Accept



Setup Start



Revision ID:

Item Name: Overhead Rear, Center-Ivory

Stop



Start Date: 8/30/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 9/6/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

170

Identify as per dwg & Stock Location: \_\_\_\_\_

0.00



Packaging

Memo

PPP  
61438

0.00

Packaging

CE 10/14/14

180

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/10/14

ME

10-10-14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Monday, August 30, 2010 9:17:46 AM

Page 1

Work Order ID: 61515

Parent Item: D3823-3KIV

Parent Item Name: Overhead Rear, Center-Ivory

Start Date: 8/30/2010

Required Date: 9/6/2010

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevA: New issue DD verified by:EC  
Add Step 105 Dry Material 110/04/21 DL

Ipp Rev. B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MKYD6185S.080-P3- 62015		Purchased		No		100	sf	588.8500	10.625	10.625			

6185 KYDEX .080"

Location

Loc Qty

Loc Code

therm

109703

588.85

588.85

1

3B 10/10/07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

<b>DART AEROSPACE LTD</b>		<b>Work Order:</b> 61515
<b>Description:</b> Rear Overhead, Center		<b>Part Number:</b> D3823-3KIV/KGY
<b>Inspection Dwg:</b> D3823	<b>Rev:</b> C	<b>Page 1 of 1</b>

### FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

### THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than "	✓			
Shape Definition	✓			
Texture Retention	✓			
Material imperfections such as bumps, cracks, voids, scratching	✓			

Measured by: *DR*

Date: 10/10/08

### TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.50	Min	0.5814	✓			
0.75	Min	0.755	✓			
0.36	Min	0.42	✓			
0.50	Min	0.563	✓			
0.045	Min	0.45	✓			
0.055	Min	0.050	✓			

Measured by: *DR*

Date: 10/10/12

Audited by: *J*

Date: 10/10/13

Prototype Approval: N/A

Date: N/A

Rev	Date	Change	Revised by	Approved
A	09.06.26	New Issue	KJ <i>[Signature]</i>	<i>[Signature]</i>

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

SHOP COPY  
RETURN TO  
ENGINEERING

UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. *61515*  
*B810-830*

B8-1

DETAIL B

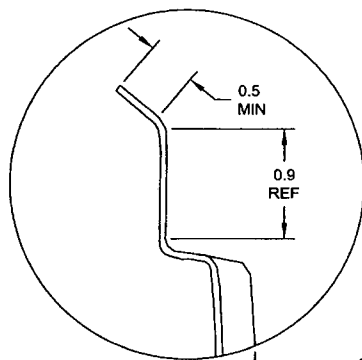
B6-1

MIN THICKNESS  
0.045  
(SHADED REGION)

14.3  
REF

1.75  
MIN

RELEASED  
*9/10/2005*



DETAIL B  
SCALE 5X

D6-1

SECTION A-A

C4-1

0.44  
MIN

TEXTURED SIDE

35.94  
REF

**D3823-1 REAR OVERHEAD, LH**

**NOTES:**

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N (SEE TABLE) USING VIBRATING STYLUS
- 7) WEIGHT: 1.9 lbs
- 8) TOOLING: THERMOFORM PER MOLD DT9112 PER DART QSI 022. TRIM PER MOLD
- 9) MINIMUM THICKNESS: 0.055" UNLESS OTHERWISE NOTED

PART NUMBER	DESCRIPTION
D3823-1KIV	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, IVORY #62015 (MKYD6185S.080-P3-62015)
D3823-1KGY	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, STEEL GRAY #52068 (MKYD6185S.080-P3-52068)

C	ADD STEEL GRAY COLOUR OPTION, ADD IVORY P/N'S D3823-1/-2/-3(KIV) AND ADD STEEL GRAY P/N'S D3823-1/-2/-3(KGY) (ZN A5-1, A5-2, A5-3)	PH	09.05.05
B	ADD JOGGLE TO D3823-1/-2/-3 FOR BETTER FIT WITH D3824-1/-3 HAT BIN (ZN C5-1, C5-2, C8-3); 0.40 WAS 0.18 (ZN B7-1, D7-2); 0.45 WAS 0.29 (ZN B8-3)	PH	09.02.09
A	NEW ISSUE	PH	08.09.26
REV.	DESCRIPTION	BY	DATE

DESIGN	DRAWN	CHECKED	MFG. APPR.	APPROVED	DE APPR.	DATE	09.05.05
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA							
DRAWING NO. D3823							REV. C
TITLE REAR OVERHEAD							SHEET 1 OF 3
							SCALE NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

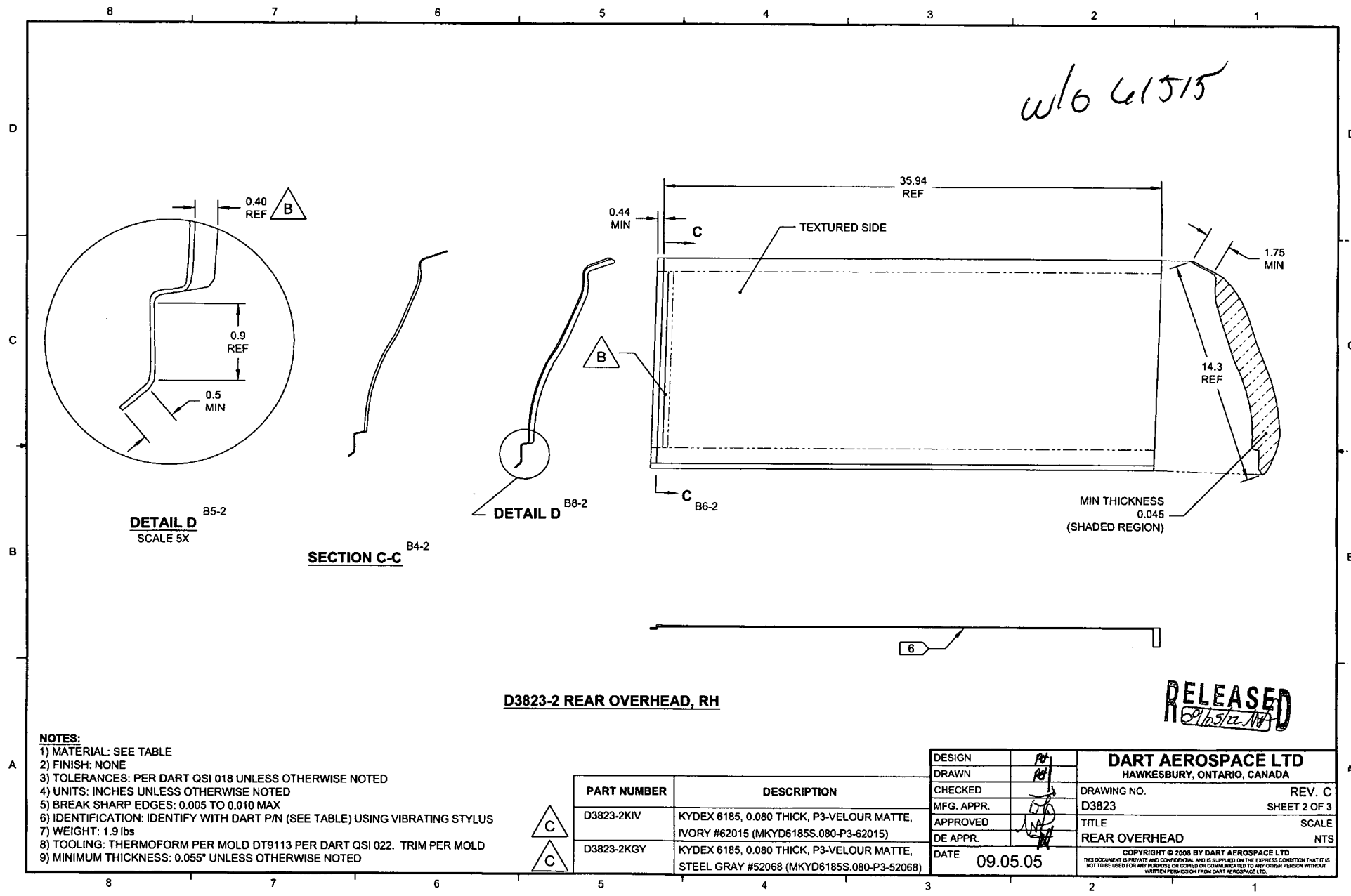
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

w/o 61515



**D3823-2 REAR OVERHEAD, RH**

- NOTES:**
- 1) MATERIAL: SEE TABLE
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N (SEE TABLE) USING VIBRATING STYLUS
  - 7) WEIGHT: 1.9 lbs
  - 8) TOOLING: THERMOFORM PER MOLD DT9113 PER DART QSI 022. TRIM PER MOLD
  - 9) MINIMUM THICKNESS: 0.055" UNLESS OTHERWISE NOTED

C  
C

PART NUMBER	DESCRIPTION
D3823-2KIV	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, IVORY #62015 (MKYD6185S.080-P3-62015)
D3823-2KGY	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, STEEL GRAY #52068 (MKYD6185S.080-P3-52068)

DESIGN	
DRAWN	Ref
CHECKED	Ref
MFG. APPR.	
APPROVED	
DE APPR.	
DATE	09.05.05

<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
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TITLE REAR OVERHEAD	SCALE NTS
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RELEASED  
29/05/12 MTD

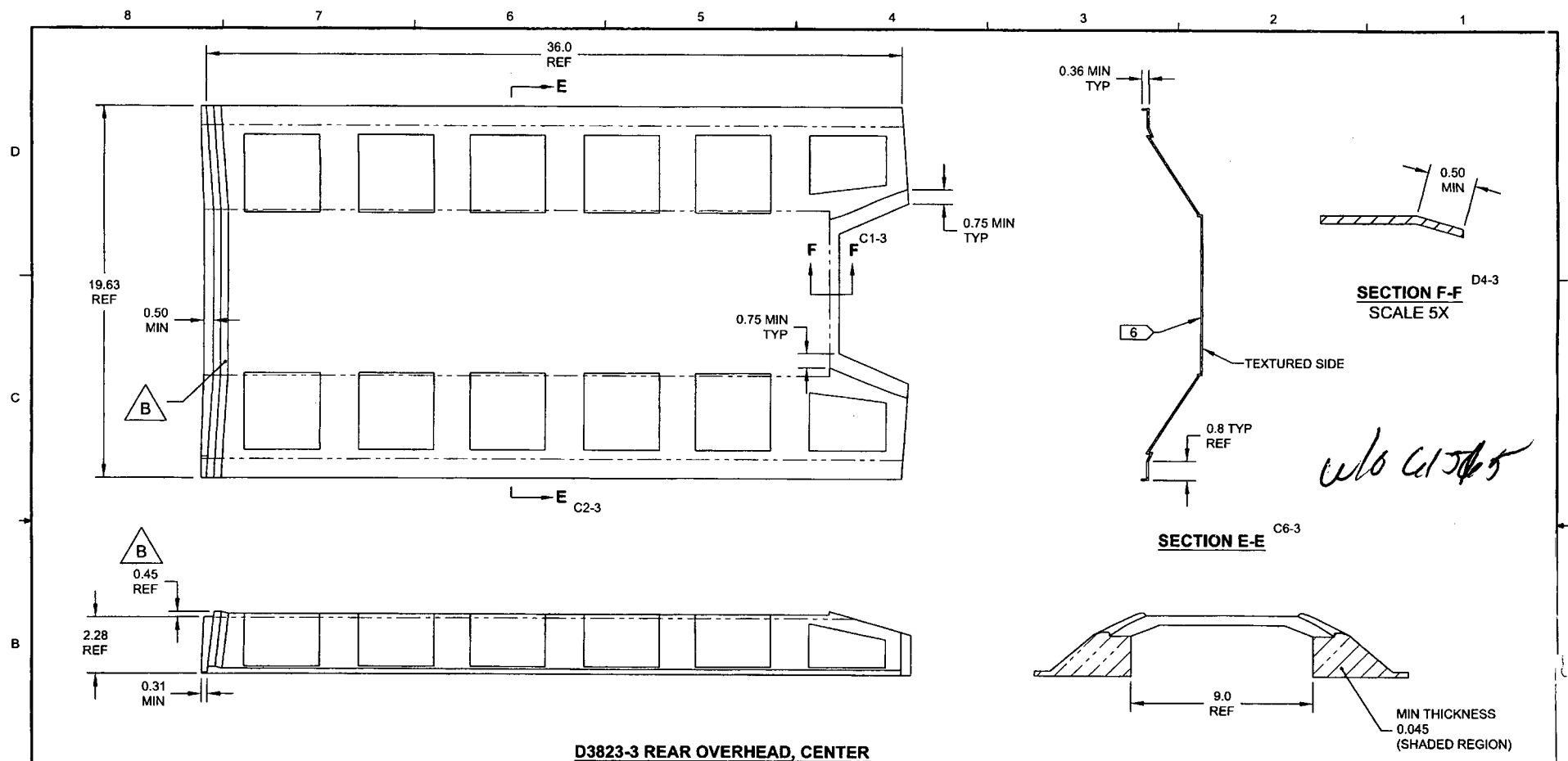
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# **NOTES:**

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N (SEE TABLE) USING VIBRATING STYLUS
- 7) WEIGHT: 2.5 lbs
- 8) TOOLING: THERMOFORM PER MOLD DT9110 PER DART QSI 022. TRIM PER MOLD
- 9) MINIMUM THICKNESS: 0.055" UNLESS OTHERWISE NOTED

PART NUMBER	DESCRIPTION
D3823-3KIV	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, IVORY #62015 (MKYD6185S.080-P3-62015)
D3823-3KGY	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, STEEL GRAY #52068 (MKYD6185S.080-P3-52068)

DESIGN		<b>DART AEROSPACE LTD</b>
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. REV. C
MFG. APPR.		D3823 SHEET 3 OF 3
APPROVED		TITLE SCALE
DE APPR.		REAR OVERHEAD NTS
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